DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING.

July 7, 1930.

MEMORANDUM FOR ALL PARK RANGERS

The following number of emergency rations and the stations at which they will be kept is for your information. In case of fire, these rations may be taken from one station to any part of the park as an emergency arises.

It is necessary that a complete report be submitted on every fire in your district on the form prepared for that purpose. There are two pages to every fire report and these two pages must be filled out as completely as possible. Any other data than that on the forms can be written on the reverse side of the report.

If you do not have a supply of these forms, please telephone the offices.

STATION	NUMBER OF RATIONS
Mammoth	6
Norris	2
Old Faithful	8
Thumb	3
Lake	12
Canyon	3
Tower Falls	4
Thorofare	15
Snake River	6
Beaver River	6
Riverside	6
Gallatin	4
Soda Butte	10
Cooke	10
Upper Slough Creek	6

George F. Begley
Chief Ranger.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone NATIONAL PARK

FILE NO. 142

AUGUST, 1930

MONTHLY REPORT

AUGUST, 1930

IMPORTANT

This file constitutes a part of the official records of the National Park Service and should not be separated or papers withdrawn without express authority of the official in charge. All Files should be returned promptly to the File Room. Officials and employees will be held responsible for failure to observe these rules, which are necessary to protect the integrity of the official records.

HORACE M. ALBRIGHT,
Director.

U. S. GOVERNMENT PRINTING OFFICE: 1929 6—7410

September 5, 1930.

The Director,
National Park Service,
Washington, D. C.

Dear Mr. Director:

Following is the report of the activities of Yellowstone National Park for the month of August 1930:

000 - General

The month was characterized by an unusual amount of rain during the first half and a falling off in travel over the same month last year. The Weather Bureau reported the greatest amount of precipitation for any August of record. The continued rains made the roads leading to the park difficult to travel and some of the roads in the park were impassable for short periods due to slides and mud. The decline in travel naturally had its effect on business and all public operators report decreased receipts, which in some cases will result in a serious deficit for the year's operation.

100 - Administration

110 - Status of Work

The work in all departments was kept as nearly current as possible and by the end of the month it was possible to curtail our forces.

120 - Park inspections by

121 - Superintendent

On August 2nd I went with Director Albright, Mr. Kittredge, Mr. Edwards, Mr. McCarter and Mr. Moorman to Old Faithful to look over the route for a road into the Old Faithful Lodge. We returned to Mammoth for the night.

On the 4th I accompanied Director Albright to Livingston, where we attended a meeting of the Rotary Club and visited some of the business men. Mr. Albright departed in the afternoon, by train, for Crater Lake, after receiving word that President Hoover's visit to the Yellowstone had been postponed.

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On the 7th I made a trip around the Loop and the following day made the short Loop via Norris, Canyon and Tower Falls, looking over the housekeeping camp layouts.

An inspection of the proposed Tower Falls-Mammoth road was made on the 12th, in company with Messrs. A. E. Falen and C. F. Capes and Stimson of the Bureau of Public Roads, and Messrs. McCarter and Edwards.

On the evening of the 13th I went to Old Faithful, spending the night there and returning the following noon to Mammoth.

On the 16th I made a trip to the south entrance to meet Major R. Y. Stuart of the Forest Service, who was expected to return from a pack trip in the Upper Yellowstone country, but found that he had been delayed. I spent the night at the Lake and returned the following day to headquarters.

A trip was made on the 21st to Old Faithful for a conference with Mr. C. A. Hamilton, returning the same evening.

On the 24th, Carl Russell, D. C. Yeager, Newell Joyner and Mr. H.C. Bryant to Old Faithful and spent the night there. I accompanied I returned to headquarters the following day.

On the 30th another trip was made to Old Faithful, returning the same evening.

123 - National Park Service Officers

Hon. H. H. Albright, Director of the National Park Service, who came in via Gardiner on July 24, left via the same gateway on the morning of August 4.

Mr. Harold C. Bryant, Assistant to the Director in charge of Educational Work, came in via West Yellowstone on August 23 and left via the south gateway on the 27th.

Mr. F. A. Kittredge, Chief Engineer, came in via Gardiner on July 31 and left via the same gateway on the 6th of August.

124 - Other Interior Department Officers

Mr. W. A. DuPuy, Executive Assistant to Secretary of the Interior, in charge of Publicity for the Department, came in via West Yellowstone August 17 and left via Gardiner on the 22nd.

125 - Other Government Officers

Major R. Y. Stuart, Chief Forester, U. S. Forest Service, Washington, D.C., came in via the south gateway on the 21st and left via the Gardiner gateway on August 22.

I accompanied

J. C. Evenden, Bureau of Entomology, Coeur d'Alene, Idaho, came in via the west gate on August 4 and left via the north gateway on the 10th.

Maurice C. Hall, Chief, Zoological Division, Bureau of Animal Industry, Washington, D. C., who came in via Gardiner on July 30, left via the same gateway on August 11.

W. S. Dillon, Asst. U. S. Game Conservation Officer, and F. L. Earnshaw, Asst. in Reservation Administration, Biological Survey, came in via Gardiner on August 4 and left for Jackson Hole on August 5.

A. S. Palen, District Engineer, Bureau of Public Roads, Denver, Colorado, was in the office on the 11th and left via the east gateway on the 14th.

Dr. R. E. Spencer, U. S. Public Health Service, Washington, D. C., who came in via Gardiner on June 29, left via the same gateway on August 5. Dr. Spencer was assigned to Yellowstone for the summer by the Public Health Service to study epidemics. He was accompanied by Mrs. Spencer.

Anna Pearl Hopper, Asst. to the Secretary, 13th C. S. District, Denver, Colo., came in via Cody on August 17 and left via the west gateway on August 19.

127 - Other Agencies

Dr. E. T. Allen, Geophysical Laboratory, Washington, D. C., who came in via Gardiner on June 4, left via the same gateway on August 15.

Charles B. Read and C. Jenson, Paleobotanical Research, Carnegie Institute, who came in on May 30, left the park August 27. These men were engaged in drilling work on the fossil forests.

140 - Labor Situation

There were sufficient men available to meet our needs and we had no difficulty whatever in keeping all positions filled.

150 - Equipment and Supplies

The following equipment was received during the month:

1 - Trail oil distributor
1 - Bates Tractor 35

180 - Circulars, Bulletins, Etc.

Circulars Numbers 7 and 8 were issued during the month and the July Nature Notes were mailed out early in August, copies of which are attached hereto. Copies of press releases for the month are also attached. F. Jay Libby, park publicity man, left on the 15th and we were without the services of a publicity man for the remainder of the season.

200 - Maintenance, Improvements and New Construction

210 - Maintenance - roads

Unusually stormy weather conditions throughout the Park during the month of August kept all section crews busy on work that would classify as heavy maintenance and extraordinary repairs.

At Mammoth, the month's total precipitation exceeded the normal by 3.06 inches and was 0.71 of an inch greater than the highest August total in any previous year of record. This unusual record of the month is marked by the following heavy rainfalls for periods of 24 consecutive hours; 0.67 of an inch on the 3rd, and 4th; 0.60 on the 9th and 10th; 0.65 on the 11th and 12th; 0.64 on the 13th and 14th. Since Mammoth is in the park's area of relatively low precipitation, it is certain that other sections would have considerably more rain than fell at this station.

On August 4, a series of slides came into the Gardiner Canyon, blocking culverts and filling the roadway with silt and rock for a distance of a thousand feet. This road was not closed to travel but was slippery and dangerous for four or five days.

Three slides and two washouts occurred within a distance of a mile on the Dunraven Pass Road on the night of August 9 causing the closing of the road until noon of August 15, during which time all traffic to Tower Falls was routed over Mt. Washburn. Repair work on this section necessitated the organization of a special crew.

All other sections, practically without exception, suffered from minor slides and washouts.

220 - Improvements

Carpenter and Paint Shops Employees of the painting department were engaged in the following work during the month: Repainting and putting up new signs in the park; general repair and painting of buildings at Mammoth; staining new road camp buildings at West Gallatin.

The employees of the Carpenter Department were engaged in the following work during the month:

Built a log building at Mammoth for the Fisheries Department to be used as a food house; finished road camp buildings at West Gallatin; built a new fire lookout at Mt. Sheridan; began a new snowshoe cabin at Grayling Creek; repaired the ranger station at Snake River; and did miscellaneous carpenter work around headquarters.

Electrical Department: The work of this department consisted of the following: During the months of July and August the reconstruction of 8 miles of telephone line from Lake to Thumb was completed. Eight miles of this line from Lake to Thumb was constructed during the season of 1929. This work consisted of new cedar poles, new cross arms and changing from grounded to metallic circuit, using #9 iron wire. In addition, during the month of August there was completed nine miles of metallic circuit from Thumb toward the Snake River (south) entrance, using #8 copper wire on brackets. The Lake Fish Hatchery was wired complete with lights. Extensive repairs were made to turbine #3 at the power plant. These repairs were due to broken bearing rings. General telephone and electrical maintenance was carried on as usual.

Sanitation Department: The following work was done by this department during the month: Mammoth.-Maintaining the Mammoth water and sewer system, installing plumbing system in the new Fish Hatchery buildings in Mammoth auto camp, cleaning the auto camp and maintaining showers and comfort stations. Apollinaris Springs.-Building one standard comfort station, including 2500 gallon concrete reservoir and sewage disposal plant with 40' x 10' x 5" concrete tank; excavating and laying 300 feet 6" tile sewer pipe. Norris Area.-Cleaning the auto camp and comfort station; maintaining the sewer and water systems. Madison Junction.-Cleaning the auto camp and two comfort stations; maintaining the sewer and water systems. Old Faithful.-Operating the incinerators, cleaning camp grounds and surrounding roads, parking areas, etc., also five comfort stations; maintaining two water and sewer systems. Thumb Area.-Operating the pumping plant which pumps water from Duck Lake to supply the entire Thumb area, approximately 30,000 gallons of water being used daily. The sewage plant was operated and four comfort stations cleaned and camp grounds policed daily. Lake Area.-Operating one incinerator, cleaning camp grounds; maintaining and operating sewer and water systems. Fishing Bridge.-Commenced constructing one incinerator with concrete storage platforms, excavating and laying 500 feet 3" water pipe, 900 feet 2-1/2" water pipe, and 3,000 feet 2" water pipe for supplying Hamilton's new store, Brothers' bathhouse and the incinerator with a potable water supply; two sewage plants were maintained and operated and one water system. Canyon Area.-Maintaining and operating the pumping plant at Cascade Creek; cleaning six comfort stations, auto camp grounds and park areas; operating and chlorining sewage in the separate plants. Tower Falls.-Operating the water and sewage system; cleaning comfort stations, camp grounds and parking areas. Snake River Ranger Station.-Installing water system with small hand pump in kitchen.

Garage and Mechanical Department: The usual repairs to equipment and trucks were made by this department during the month.

230 - New Construction - roads

Mammoth-Norris Project #502.- Mammoth Lodge-Jupiter Terrace Section. All excavation and most of the surfacing with selected material was completed during the month and there now remains only a small amount of finishing on slopes and ditches to complete this section. The section was opened to traffic on the afternoon of August 4.

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Beaver Lake Section.-Adverse weather conditions greatly hampered work on this section. The combination of sub-surface water and heavy rains made it necessary to lay approximately a mile of heavy rock base in order to keep the road open to traffic. Thirty-three hundred yards of material was moved in the limits of the project by the power shovel and borrow for the above mentioned rock base amounted to 1500 yards.

Sidewalk Project, #502.26.-This project consists of building a 5' paved sidewalk from the Mammoth Hotel to the Mammoth Lodge. It will have stone curbs and be paved with an emulsified asphalt. The top will be sprayed with a fine gravel to blend in with the surrounding landscape. The grading work is completed except for the last 200 feet. The subgrade has been completed and tamped ready for paving.

Trail Project #526.-Work on this project for the month consisted in getting out timbers for two log bridges.

Surface Betterment Project #527.-Oiling was completed on the Canyon-Lake road on August 6 and the crew was moved to Madison Junction on the 7th. The heavy rains delayed work until clearing weather on the 25th so that during the month only the ten mile section between Madison and West Yellowstone, and about three miles between Madison and Old Faithful, were completed.

Parking Areas, Project #528.-This project was started late in the previous month and is now about 75 per cent complete. As added work on this project, an entrance road to the Old Faithful Lodge was approved by the Director and has been cleared and opened to traffic but not yet graded.

260 - Landscape Division

Road construction comprised the main activities of the month, both force account and contract. Emphasis was placed on the parking developments at Old Faithful and plans were drawn for parking areas at the Fish Hatchery at Lake.

Fire lookout building at Mt. Sheridan, mess and bunk houses at Gallatin were completed satisfactorily. Work was commenced on bunk and mess houses at the East Entrance.

Public utility operators' construction was at a standstill with the exception of the Canyon Hotel addition, which is about 75% completed.

300 - Activities of Other Agencies in the Park

310 - Public Service Contractors

The decline in travel was reflected in the business of park operators and all reported a considerable falling-off in their revenues. This led to a general reduction of forces and all operators were carrying on their operations with the minimum of personnel. However, the service was all that could have been expected and very few complaints were heard.

400 - Flora, fauna and natural phenomena

410 - Ranger, naturalist and guide service

Several changes were made in the temporary ranger force, and at the end of the month seventeen temporary rangers had resigned. Public contact was on the same scale as last year due to the falling off of tourist travel. Permanent rangers are at work preparing cabins for winter use, cutting wood, building cellars, etc.

The survey crew is progressing well, and will soon move headquarters to the junction of the Shoshone Lake and Bechler River trails.

420 - Museum Service

In spite of the tremendous drop in park travel, the number of visitors taking advantage of the educational activities has held up exceptionally well. The total attendance at the various museums throughout the park for the month of August was 87,674. Guide trips were conducted with a total attendance of 33,256 , 762 lectures were delivered with an attendance of 185,845 , and 6,028 people accompanied the auto caravan. At the present time the number of tourists served by the auto caravan greatly exceeds the total number served on the hikes at Mammoth, a fact which indicates the popularity of this activity, and the advisability of extending it to other points of the park during the season of 1931.

Fifteen easels announcing the activities at the various points have been placed at the hotels, lodges and auto camps throughout the park, and new signs have been set up informing tourists of the next eruption of the Daisy and Riverside Geysers.

Considerable time has been spent during the month of August in inspection around the Loop and relief work. Every naturalist has had at least two days relief this summer.

The July issue of Nature Notes was completed on August 1. This was the largest issue ever put out in Yellowstone. The manuscript for the August issue will be ready for printing in a few days.

Considerable work has been accomplished on the project of filing and cataloging 7500 negatives, giving information as to the subject, date, locality, and photographer of each negative. This work will greatly facilitate the handling of negatives and prints in the future.

430 - Buffalo Corral and Zoo

The Buffalo Corral attendance during the month was 12,459 as compared with 18,903 last year, and 24,800 in 1928.

470 - Animals

The wild animals of the park are moving to the lowlands and are being seen by the tourists in large numbers all over the park. Forage conditions due to the heavy rains this month are excellent.

Elk: About 1,000 elk are reported in Hayden Valley. All animals especially the calves are in fine condition. Large numbers are reported all over the park.

Deer: Deer are being reported seen by the tourists all along the roadsides and their condition is noted as very good.

Antelope: The antelope are gradually moving to their winter range. A herd of 45 was seen the latter part of the month at the Gardiner hay ranch. They are very numerous at the head of the Blacktail country.

Moose: Tourists report seeing moose at various places in their trip around the park, especially at Willow Park, where as many as 7 have been seen at one time this month. Very favorable reports on the moose in the Thorofare country have been received.

Buffalo - Lamar River Herd: Numerous buffalo signs were seen on the Mirror Plateau and head of Pelican Creek, and no doubt some of them were of the mountain herd. This herd has been wandering back and forth from the head of Cache Creek ridge to the Lamar River. Forage conditions are good, and all animals seen were in excellent condition.

Sheep: The sheep are as yet in the high, almost inaccessible places, although a band has been seen from Mt. Washburn several times during the month, and one large ram was seen on the 20th at Golden Gate.

Bears: The total estimate of bears in the park is as follows: Grizzly 167 as compared with 152 last year, black and brown 490 as compared with 556 last year. A few black bears were killed because of their depredations and injuries to tourists.

Small Animals: The marmots and ground squirrels are disappearing for the winter, and are very seldom seen by the tourists. The beaver and muskrats are very busy building and repairing their homes for the winter. Indications are that these animals are on the increase.

Predatory Animals: Very few coyotes have been seen during the month.

Fish: The Bureau of Fisheries carried on their usual distribution of fry during the month throughout the park. The following list is without doubt the best distribution of fish planting ever carried on in Yellowstone Park:

Native, 1-inch fry from Lake Hatchery, in very good condition

August 11 -	Snake River	31	cans	100,750	fish
	Crawfish Creek	12	"	39,000	"
	Aster Creek	7	" 18 later		
" 12 -	Gallatin River	25	"	81,250	"
	Grayling Creek	25	"	81,250	"
" 13 -	Madison River	31	"	100,750	"
" 14 -	Gibbon River (Meadows)	25	"	81,250	"
" 15 -	Firehole (below Keppler)	25	"	81,250	"
	Trout Creek	25	"	81,250	"
	Yellowstone River(Hayden Valley)	31	"	100,750	"
" 16 -	Firehole (above Keppler) (Spring Creek 5 cans)	25	"	81,250	"
	Gibbon River (Norris)	25	"	81,250	"
" 17 -	Campanula Creek	25	"	81,250	"
" 21 -	Aster Creek	18	" Total 25	81,250	"
	Nez Perce Creek	25	"	81,250	"
	Cougar Creek	25	"	81,250	"
	Squaw Lake	25	"	81,250	"
"2 23 -	Middle Creek	25	"	81,250	"
	Lewis Lake	31	"	100,750	"
" 24 -	Virginia Meadows	25	"	81,250	"
" 25 -	Bechler River 12)				
	Boundary Creek 13)	25	"	81,250	"
" 26 -	Pelican Creek	36	"	117,000	"
	De Lacy Creek	15	"	48,750	"
" 27 -	Sylvan Lake	14	"	45,500	"
	Canyon Creek	14	"	45,500	"
	Solfatara Creek	25	"	81,250	"
	Totals.....	615	cans	2,000,000	"

Lochleven 4-inch fingerlings from Pools at Mammoth. Quite a few of these were lost as they were not in very good condition.

August 18 -	Firehole River above Fountain	25	cans	7,500	fish
19 -	Fountain	50	" 150 fish ea.	7,500	"
20 -	Below Fountain	25	"	3,750	"
	Gardiner River (Water Gauge Sta.)	25	"	7,500	"
	Totals.....	125	"	26,250	"

Buffalo and Other Ranches: All buildings on the buffalo ranch have been repaired and stained. Harvesting of the hay was carried on to the best advantage but the heavy rains for the month caused a loss and delay. At the Buffalo Ranch 150 tons was harvested, Upper Slough Creek 50 tons, Lower Slough Creek 150 tons and 40 tons at the Game Preservation Ranch; also 40 tons at the Gardiner Ranch. Also, there was cut by contract 250 tons of hay in the Pelican Meadows, which at the present time is being hauled to the Buffalo Ranch by contract.

480 - Natural Phenomena

Mammoth Hot Springs: The morning of August 2nd found the Blue Springs Terraces all dry except the upper ones. A probable explanation of the occasional drying up of the lower terraces has as its basis the fact that waters were pouring into an opening immediately west of the hot spring orifice. When the lower terraces are covered with water there is no flow into this opening. Apparently at times the material clogging the hole is dissolved enough to allow water to pour in. After a few hours material carried into the hole again clogs it, causing the water to again pour down over the lower terraces. On the 11th and 12th the Blue Springs were completely dry. There was no water on the upper terrace. The waters were probably shifted underground in the same manner as above ground on the 2nd. It required 5 days for the flow above ground to become normal. On the 12th and 13th the west end of Hymen was almost dry again. The new springs near the Narrow Gauge were spouting water to a height of 12 to 15 inches on the 12th. This was continued for a few days only. The new springs east of the mound on the trail near Narrow Gauge were spouting water at a half dozen different places on the 20th. This flow increased steadily for a few days and has been steady since. The flow at the south end of Cleopatra Terrace also began increasing on the 20th and started pouring down the Terrace Trail. A new small spring broke out immediately north of the Blue Springs on August 21. Within a few days it was flowing a great quantity of water and so continued throughout the month. Close observations of some of the larger springs made on the 25th showed that several had increased in flow since the rainy spell. The water areas had both widened and lengthened at New Siena, New Highland and Mound. The afternoon of the 27th found the lower terraces at the west end of Hymen again dry. It remained so for two days. A new spring broke out over night (found on morning of 29th) near Narrow Gauge and was flowing a large quantity of water. On the morning of the 30th water was no longer flowing from this opening but was pouring out on the east side of the knoll a few feet from the first location. On the morning of the 31st the Hymen Terraces were again dry on the west end. Even Jupiter as well as the larger springs mentioned above were showing decided increases in flow.

Norris Geyser Basin: August has been characterized by an increase in almost every phase of activity in the Basin. The only change in conditions that has been obvious to the casual observer has been the excess of rain during the first two weeks of the month. Whether or not this has been the cause of the general change in activity is of course open to question. Changes in the better known features during the month are as follows: Onyx Spring has changed from a vent that was little more than a steam vent to a spring some six feet across. Arsenic and Iris Springs are averaging from six inches to a foot higher with their periodic spurts of water. Whirligig Geyser's interval has dropped from 50 minutes to between 25 and 30. Constant Geyser's crater has been filled to the brim with water for almost the entire month, but it has shown no sign of activity. The small unnamed geyser 40 feet to the northwest of Whirligig now plays only about four times daily, but in eruption now far surpasses Whirligig, playing to a maximum height of from 25 to 30 feet. The new steam vent has been consistent, adequately taking the place of the old Black Growler, which has shown no sign of life. Ledge Geyser has at frequent intervals thrown out dense clouds

of steam, accompanied by a fine spray of water, but there has been no definite eruption. Valentine Geyser has played once during the month, on the 12th. Ebony Geyser has been the most consistent spectacle in the Basin, rarely varying from its 72-hour interval. It plays to a maximum height of 45 feet, and for around 25 minutes. Emerald Pool provided the most violent change of the month when on the morning of the 10th it played to a height of 40 feet. It continued to play at irregular intervals all during that day and the next. Since that time it has been continually in motion, throwing water four or five feet. Since the eruption it seems to have two vents, or at least two centers of agitation, where before it had only one. New Crater, Fearless, and Vixen Geysers were never at any time affected by the large amount of rain, and played as usual. Minute Man Geyser has been very irregular, ceasing to play for a week on two occasions. Conversely, it was seen one evening playing to a height of between 15 and 20 feet. The activity in the Gray Lakes section and also on Hundred Spring Plain and around Reservoir Lake of all the small hot springs, and pots, etc., have been greatly increased. During the last part of the month, Cinder Pool has definitely increased in agitation. Pearl and Echinus Geysers have not been observed to play.

Upper Geyser Basin: The Beehive Geyser played on August 20th for the first time this season. The Giantess Geyser has not played during the month. The Vault played to a height of 15 to 20 feet for about 10 minutes on August 8. The Lion Geyser has played nearly every day at some time during the day and has on several occasions given unusually high and long eruptions. The unnamed geyser near Beach Spring plays at irregular intervals, often several times a day. A small vent near the Sawmill Geyser played to a height of about 10 feet on August 29. The Grand Geyser has played about once every 24 hours during the month but on one occasion it played three times in less than 15 hours. The Giant Geyser began boiling vigorously about the middle of the month and finally played for about one and one-half hours on Aug. 31, beginning about 6:20 p.m. The Riverside Geyser has played at intervals of about seven hours most of the time and the interval for the Daisy Geyser has remained at about 85 to 90 minutes. There is nothing of importance to report on the other geysers.

hours.

490 - Miscellaneous

Earth Tremors: On August 2, an earthquake shock was felt at the Snake River Ranger Station, lasting only a few seconds. The shock was noted to be more terrific at the Lewis River Road Camp. Another earth tremor was felt at the Lake Ranger Station on August 31 at 11:45 p.m. There were two distinct tremors, the first being more violent than the second. It was noted that merchandise on the shelves at Hamilton's store at Lake was displaced. No damage was reported, however.

Special Incidents:

Two deaths occurred during the month, a Mrs. Hutchings on August 3, and A. H. Lamberger on August 24. Mrs. Stevens Hutchings died at the Duffy Road Camp at Teton Point on the East Entrance Road. Mrs. Hutchings had gone to her cabin to rest and when a party tried to arouse her at 5:30 p.m. she was found to be dead. She was born on Springville, Utah, on July 21, 1864. She is survived by her husband, 3 sons and a daughter. The body was shipped to the Kiser Undertaking Parlors in Ashton, Idaho.

Mr. Lamberger, whose address was given as 503 No. 3rd St., Dennison, Ohio, died at Canyon Hotel at 3:30 p.m. August 24, 45 minutes from the time Miss Agnes A. Welch, hotel nurse, was summoned. He was 68 years of age, and heart trouble is given as the cause of death. Mrs. Lamberger took care of arrangements for the body and it was taken to Livingston.

500 - Use of Park Facilities by the Public

510 - Increase or decrease in travel

The travel report for August, 1930, together with a table of comparative figures on the travel to September 1, 1930, 1929 and 1928 are attached hereto; also a statement of private automobile travel as classified by States for the 1930 season to September 1. The total travel this season to Sept. 1 was 209,459 as compared with 257,397 for last year, showing a loss of 47,938, or a decrease of 18%. Total travel for the month was 75,502 as compared with 97,766, showing a loss for the month of 22,264, or a decrease of 23%. Private automobile travel to Sept. 1, 1930, was 186,614 as compared with 203,964 for last year, showing a loss of 17,350, or a decrease of 8%. Private automobile travel for this month was 66,300 as compared with 84,427 for the same month last year, showing a loss of 18,127, or a decrease of 21%. Rail travel to Sept. 1 this year was 22,845, as compared with 53,433, showing a loss of 10,588 or a decrease of 34%. Rail travel for this month was 9,202, as compared with 13,339 for the same month last year, showing a loss of 4,137, or a decrease of 31%.

520 - Weather Conditions

In regard to temperature there is little of interest in the observations of the month. The average temperature was 61 degrees, which is normal. Freezing weather, the first of the declining season, was recorded at 11 p.m. of the 31st; the month's minimum occurred at midnight of the 31st, when 39 degrees was registered, with the thermometer still falling. The maximum for the month was 82 degrees on the 24th.

In regard to precipitation, however, the month was altogether remarkable. The total rainfall was 4.13 inches, which is 3.06 inches above normal and 0.71 inch more than is recorded for any other August in the record of 40 days. In 1908 August had 3.42 inches. In no other August in the record has there been as much as two and a quarter inches of rain. On four different occasions during the first half of the month rainfall amounting to 0.60 inch or more within periods of 24 consecutive hours was received by the rain gage. On 18 days there was .01 inch or more. Thunder was heard on 20 days. There were 4 clear days; 15 partly cloudy; and 12 cloudy; and the sun shone 61% of the possible time. Relative humidity averaged 84.2% at 6 a.m.; 54.3% at 6 p.m.; and 49.7% at solar noon.

540 - Visitors

Mr. O. L. Bodenhamer, National Commander, American Legion, who came in via West Yellowstone on August 3, with Judge Galen, candidate for U.S.Senate, left via Gardiner on the 4th.

University of Nebraska Extension and Geography Department's party, which came in via Cody on July 29, left via the west gateway on August 1.

Merle Thorpe, Editor, Nation's Business, Washington, D.C., who came in on July 31, via Gardiner, left via the same gateway on August 27. He was accompanied by Mrs. Thorpe and two sons. They spent the entire time at Cooke City.

Scout Naturalists party of 8, including their leader, came in via the south entrance on July 30 and left August 6.

Harold I. Patten of Philadelphia, Pa., and wife, came in via West Yellowstone on July 28 and left via Gardiner on the morning of August 4.

Frank M. Lutz, Curator, American Museum of Natural History, New York City, who came in with Dr. Bumpus via the east gate on July 2, left about August 10. Mr. Lutz is the originator of the "Nature Trail" idea.

Miss Donna Smith, Seattle, Wash., chosen by the American Legion of Seattle to be "Miss Liberty," arrived in the park via Gallatin on August 17 and left via the west gate on the 21st.

Colonel James P. Barney, U.S.A., came in the office on August 4 and left on the 6th.

Paul E. Bellamy, President, Black Hills Transportation Company, Rapid City, S.D., came in the east gate in own car on August 4 and left via Cody on the 5th.

Hon. Wesley L. Jones, U. S. Senator from Washington, entered the park via the east gate on August 5 with his wife and grandson and left via the west gate on August 6.

Dr. Charles E. Resser, Curator of Stratigraphic Paleontology, National Museum, Washington, D.C., came in via the south gate on August 6 and left via the west gate on August 13.

William Loeb, "Westerleigh," Oyster Bay, N.Y., came in via the north gate on August 6, and spent 4 or 5 days in the park. Mr. Loeb is Vice President of the American Smelting & Refining Company, and former secretary to President Roosevelt, from 1903 to 1909. He was accompanied by Mrs. Loeb.

Judge H. R. Koch, Philadelphia, Pa., and party, consisting of his daughter, Mrs. J. Park Hood of Washington, and his son and daughter-in-law, Mr. and Mrs. M. H. Koch, came in via Cody on August 6 and left via the west gate on August 10.

American Legion Party, consisting of about 70, came in via West Yellowstone on August 7, and left via Gardiner on the 8th. The party visited Yellowstone following state convention at Bozeman, Montana.

Earlham College party of Richmond, Indiana, consisting of six persons including Professor A. D. Hole, came in in their own bus on August 7, via the north entrance, and left on August 17.

H. A. Meyer, Asst. to President, Prairie Oil and Gas Company, Independence, Kansas, and Mrs. Meyer and son, arrived the evening of August 7, and left via the south gate on August 12. Mr. Meyer was secretary to Secretary Lane.

Dr. Harry A. Snyder, Lapeer, Michigan, came in via the east gate on August 8, and left via the west gate on August 10.

Mrs. Zayda Hendrick, daughter of C. B. Zabriskie, Port Jefferson, N.Y., and two sons, arrived at Victor on the 27th and spent the night at Jackson Lake Lodge. On August 8 Superintendent Woodring drove them to headquarters and they left via West Yellowstone on August 9.

Dr. William T. Gill, Jr., Washington, D.C., and wife, came in via Gardiner on August 9 and left via Cody on the 13th.

Mildred Lee Clemens, (Mrs. Robert E. Schenck) 45 West 48th St., New York City, came in via Cody August 11 and left via the same gateway on the 16th. Miss Clemens is traveler, lecturer, artist, photographer, etc.

Arthur Chapman, author of "Out Where the West Begins," of Summit, N.J., with Mrs. Chapman and niece, came in via West Yellowstone on August 12 and left on the 16th.

E. E. Nelson, P.T.M., Northern Pacific Ry., St. Paul, Minn., came in the office on August 12, and left for Livingston the same day.

Dr. Wallace Krugler, 611 West 110th St., New York City, who came in via West Yellowstone on July 28, left via the west gateway on the 14th.

Ruth Bryan Owen, U. S. Congresswoman from Florida, came in via Gardiner on August 25 in car with aero trailer and left via the south gateway on the 30th for the Tetons. There were 5 in party.

Charles C. Gates, President, Gates Tire Company, Denver, Colo., came in August 24 and left via the south gate on the 25th.

Howard E. Hays, President, Glacier Park Transportation Company, Glacier Park, Montana, came in with his family on August 24 via Gardiner, and they left via Cody on August 26.

Hon. Hayner H. Gordon, Commissioner, U. S. Court of Claims, Washington D.C., with Mrs. Gordon, came in the office on August 25 and stated that they were leaving via West Yellowstone the same day.

Will H. Hays, Head of Motion Picture Industry, 469 5th Ave., New York City, came in the east gate on August 27 and left via the east gate on the 28th.

Livingston Farrand, President, Cornell University, Cornell University, Ithaca, N.Y., came in the office on August 29, having entered via Gardiner the same day, and left via the west gateway on September 2.

Clay Tallman, former Commissioner of the General Land Office, Denver, Colorado, was at the Canyon on August 18th and Mr. Toll saw him.

Herbert Evison, Executive Secretary, National Conference on State Parks, 909 Union Trust Building, Washington, D.C., was in the office on August 18. He left via the north gateway on August 18.

Dr. Thomas C. Hall, came in via Cody on August 18 and left via Gardiner on August 22. Dr. Hall is a friend of Ruth B. Moran, daughter of Artist Thomas Moran, and he is a great scholar, and professor of philosophy, both here and in Germany.

William I. Frothingham, 1 St. Andrew's Lane, Glen Cove, N.Y., came in via the south gateway on August 19 and left via west Yellowstone on August 21. Mr. Frothingham was accompanied by his wife and two daughters. He is a friend of George D. Pratt of New York City.

Mr. and Mrs. Paul Bauer, of Baden Baden, Germany, guests of the German Embassy in Washington, and friends of Charles F. Light of the National City Company, came in via the west gate on August 20 and left via the same gateway on August 24.

Perry W. Jenkins, Wyoming, Rudolph Kuehler of Arizona and J. H. Nash of Idaho were in the office on August 20 and left via the south gateway on the 21st.

R. W. Barrett, Secretary to Congressman Colton of Utah, entered the park via the south gate on August 24.

H. W. Child, President, Yellowstone Park Hotel and Transportation Companies, came in via the west gate on August 18 and left for his ranch near Bozeman on August 21. Mr. Child had not been in the park the past two years because of ill health.

Valley Ranch Girls Party, which came in via Cody on July 4, left via Cody on August 17.

Valley Ranch Boys Party, which came in July 5 via Cody, left via the same gateway on August 17.

600 - Protection

610 - Police Protection

On August 3, Phill Aldritt, arrested on July 25 for transporting liquor in the park, was turned over to officers of the Laramie County Jail.

On August 29, Elmer Robitaille and Roy Samuel Carlson, arrested on July 31 for possession of liquor, were released from the Mammoth jail. Neither Robitaille nor Carlson were able to pay their fines and therefore had to take the Pauper's Oath.

620 - Fire Protection

On August 1 a lightning fire was discovered about 5:30 p.m., and was extinguished on August 2 at 4:30 p.m. Ranger Bauman was in charge of the fire, while Tom Phillips and Dennis O'Neil from the Buffalo Ranch assisted in extinguishing it. Mr. Paul Ballard and Lee Bonnell each worked 3 hours on the fire. The burn consisted of a small amount of grass and the destruction of one old log.

A small grass fire occurred on August 6, four miles south of Canyon Junction on the east side of the river. It was discovered about 4:30 p.m., and was extinguished at 5:45 p.m. Rangers Wylie and Protwell were on duty at the fire. The damage was small.

On August 3 a fire occurred 3 miles east of Cooke Ranger Station in the Beartooth National Forest. Forest Ranger Crone was immediately notified. Park Rangers Anderson and Evans worked on the fire until Forest Ranger Crone arrived with extra men. The fire was in spruce and white pine. Not much damage was done owing to the timber being wet from recent rains. The burn was about 150 feet square.

On August 9, about 7:30 p.m., a fire was discovered, which was extinguished by 12 midnight of the same day. It was caused by lightning, and 275 board feet of non-merchantable timber was burned. A total of 3-1/2 man days of temporary labor was used, and the cost of this labor is $6.70.

On August 23, about 6:30 p.m., a fire caused by lightning started on the north slope of ridge at head of Chalcedon Creek, at approximate altitude of 9300 feet. The fire was discovered at 7:30 p.m., on August 25, the fire fighting crew arrived at the fire at 9:30 p.m., and the fire was under control at 10:45 p.m. Area burned, about 1/10 of an acre. Ranger Bauman worked 11 hours to extinguish the fire.

630 - Accidents

On August 1, Mr. Ernest C. Lewis, driving a Ford A car, license No. 70284, Montana, accompanied by Teresa Bruel of Butte, Montana, was involved in an accident with an unknown party, about 4 miles north of Lake Junction. Mr. Lewis was driving north on curve and was perhaps a little too near the middle of the road in passing car going south. No damage was done to either cars as neither collided in any way. Mr. Lewis stopped suddenly when the car coming north in the rear at a good speed run into the bank to stop. Brakes of car running into bank appeared to be defective.

On August 1, Duffy Reed, Jr., driving a Ford A truck, license No. 24705, Idaho, ran off the road about 4-1/2 miles north of Madison Junction. Robert Williams was injured slightly when he was thrown from the top of the load to the ground. The cause of the accident was the fact that the right front wheel froze and caused the truck to run off the road.

Mr. M. S. Seitz, driving Willys Knight car, license No. 359777, Ohio, accompanied by Mrs. Seitz, address 958 Hawkins Ave., Akron, Ohio, Art Seitz, W. C. Case, Poulley Clearance, O. Amundsen and Miss Thomas, all of Yellowstone Park, and K. F. Price, driving U. P. S. truck No. 519, were the parties in this accident which occurred on August 2, one-half mile from Lake Junction toward Canyon. A mound of dirt, turned up by Government grader, extended on the right hand side of the road. The Government truck remained on the left hand side of the dirt mound, but sounded horn. Ranger Childs was 50 feet from where the dirt first started to give way until the Willys Knight finally slipped off the rock buttress and turned over on its side. A small tree held the car from going on over the bank. The driver claims he did not use the brakes hoping to pull the car back on the road, or at least avoiding the deepest part of the creek bed. The occupants of the car were badly shaken up but were not seriously injured. The damage to the Willys Knight was slight.

On August 3, between 12 and 13-mile post, about 4-1/2 miles from Tower Falls Ranger Station, Mr. George Walters of Livingston, Montana, driving Chevrolet car, Montana license 35192, was crowded off the road by a big car which was traveling in the opposite direction. Mr. Frank Morris, a passenger, had a bone broken in his left forearm. Mr. Walters sustained minor cuts and bruises. He also admitted that he is palsied and too old to drive a car (71).

On August 4, an accident occurred several hundred yards north of the Snake River Checking Station. Luella Long, driving Studebaker, car California license 745000, and S. P. Bruckert, driving Park Service truck No. 575, were the parties in this accident. Mr. Bruckert, driver of the Park Service truck, states that before turning his car around, he turned around and saw no one behind him. However, as he was turning he was struck by car coming from behind. Miss Long claimed he turned without giving a signal, and Mr. Bruckert stated that Miss Long must have been approaching at a high rate of speed. Damage to both cars was slight.

Mr. W. B. Malouf, 860 South Los Angeles St., Los Angeles, Calif., permit number 150131, fell after slipping on the algae during the 2:30 p.m. hike on the afternoon of August 8, at the Old Faithful Ranger Station. He suffered a minor cut in his hand which was treated by the hotel nurse.

On August 9, about 2:20 p.m., O. K. Dyer, driving bus No. 199 of the Yellowstone Park Transportation Company, slid off the Terrace road, half way between Narrow Gauge Terrace and Orange Spring. This was on the regular formation afternoon trip. The road was very slippery, and the left rear wheel of the bus slid off the road into the loose dirt. There were 11 passengers in the bus. The wrecker was sent out to pull out the bus.

Mr. H. A. Johnson of 435 South 22nd St., Salem, Oregon, filed a complaint against the Transportation Company, stating that Bus No. 168 crowded him off the road on August 9 one mile south from Dunraven Pass Ranger Station. This accident was reported to the ranger at that station and he went down to the place and found that the road is somewhat narrow at this point but stated that there is room for two cars if the inside car moves over. Mr. Johnson reported that he slipped off the road but we have no report of any damage sustained by him.

On August 9 a bolt of lightning struck a tree in the cabin area at Old Faithful, about 7 p.m., and apparently glanced off to cabin #395, occupied by Mrs. Stanley Livingston and Margarete Livingston of 2129 Kamehameha, Honolulu, Hawaii, driving California Ford roadster, license No. 4H3087. The driver of their car was Tom Eckart of 740 Oakland St., Oakland, Calif., who was in cabin #396. He fell against the cabin and suffered a slight shock. There were no serious injuries, but Mrs. Livingston suffered a fairly serious nervous shock. The lightning also knocked a beam off of cabin No. 394, and burned out a light and started a small fire in cabin No. 395. The fire was quickly under control. Mrs. Livingston requested that this report be not given to the press.

On August 9, on the Mammoth-Norris road 100 feet below terrace road on the new road, Dr. H. A. Snyder, driving Peerless car, Michigan license No. 1-143670, was sideswiped by Lester Snodgrass, driving U. P. S. Ford A dump truck. Dr. Snyder was accompanied by his wife and small daughter. Dr. Snyder met the dump truck coming down the road toward Mammoth at about 20 miles per hour. The front of the truck passed the car but the rear end sideswiped and struck the left rear fender of Dr. Snyder's car, smashing it considerably. The truck driver did not stop but kept going down the road. It is believed the accident was unavoidable as the road was quite slippery. The truck driver may also have been going too fast on a slippery road. Dr. Snyder's car could not be fixed at the Government garage.

On August 11, Miss Helen Stewart, driving Ford A sedan, Minnesota license No. B517-256, traveling from Lake to West Thumb, reported that she was sideswiped by bus No. 218. Miss Stewart stated that the bus turned out to pass a tourist's car and sideswiped her car, damaging the luggage carrier and two suitcases of clothes. The Auditor of the Transportation Company settled with her for $75.

On August 11, Miss Alice Murray of Willispoint, Texas, fell and injured her knee on the step of Old Faithful Museum. First aid was given by the Old Faithful Inn nurse.

Three cars were involved in an accident which occurred at Inspiration Point on August 12 as follows: Paige, Idaho license #40492, owned by J. C. Harvey; Dodge, West Virginia license #18540, owned by G. B. Dever, and Dodge, Kentucky license #35187, owned by E. A. Ford. The two Dodge cars, empty, were parked on the road, when Mr. Harvey, who had his wife and five children in the car, attempted to park in line. In pulling the car into line his foot slipped off the brake and his car ran into the Dodge directly ahead of him, and that car ran into the Dodge ahead of it. All cars were damaged slightly. The damage was settled by Mr. Harvey who agreed to go to the Canyon garage with the owners of the two damaged cars, where repairs were made at his expense. Mr. Harvey's address is 412 Blue Lakes Blvd., Twin Falls, Idaho.

On August 12, Casper Mayer, 619 W. 140th St., New York, suffered steam and vapor burns on the face as the result of looking down Old Faithful Geyser cone after having been warned twice to keep away from the cone. The nurse at the Lodge treated the burns, which were not serious.

On August 12, about 5:30 p.m., Chevrolet Sedan, Idaho license #36514, owned by M. B. Tuohy of Blackfoot, Idaho, while parked on a hill with emergency brake on, rolled back and off the road, down the bank and hit a tree. The rear bumper of the car was broken, a spring in the rear was thrown out of place, right rear fender bent and top bracket broken. There was no one in the car at the time of the accident.

On August 14, Ford Coupe, 1925, model, Kansas license #30-4765, driven by Lewis or Robert Clayton of 2306 West 73rd St., Los Angeles, Calif., ran off the road at about the 9-mile post when their lights went out. This occurred near Madison Junction. Neither of the occupants was injured and the car was only slightly damaged when it turned over. A dog that was left in the car while the men went for help got out through the top and ruined the top of the car completely.

On August 15, a Buick car, Montana license #60-322, driven by Wm. O'Malley, 3 Moyer Apt., Butte, Montana, left the road and rolled down the side of a hill, turning over 3 times. Mr. O'Malley was accompanied by his wife and a Mrs. Rene Poytres. Mr. and Mrs. O'Malley were bruised, cut and sprained. Mrs. Poytres' injuries unknown - probably fairly serious. Body of car was badly damaged. O'Malley claims he was crowded off the road by the third bus in a string on the road 2 miles south of Hunraven Pass, although neither he nor the bus were traveling fast. The fourth bus in the string took the injured to Canyon Hotel where they awaited the doctor. The name of the bus driver who caused the accident has not been learned. A half quart of gin and a half quart of whiskey were found in one broken suitcase.

On August 16, Mrs. Anna Fox, 1120 So. Armore Ave., Los Angeles, driving a Pontiac car, License #426566, with another woman as passenger, was involved in an accident which occurred at the 11 mile post on the road going east from West Yellowstone. The woman apparently became frightened when a car approached in the opposite direction and lost control. Their car slid off the road, ran into a tree and broke the fenders and bent the axle, although the car did not turn over. Neither of the occupants of the car were injured.

Dr. J. F. Smith of Neusam, Wis., driving Buick, Wisconsin license #2-505, while going toward Yellowstone Lake, near Teton Point, was backed into by a Duffy-Reed truck #4702. The truck, Ed Simmsell of West Yellowstone, Mont., claimed that he had to back in order to make a turn and did not see Dr. Smith's car. Mrs. Smith was in the car. No one was hurt. The rear window was broken and part of the body of the Buick was damaged. The road construction foreman advised Dr. Smith to make claim for damages inasmuch as his car was insured. This occurred on August 18.

On August 23, Max Brothers, driving Ford, Utah license #81-430, and L. L. Short, road foreman at Madison Junction, driving Government Ford #581, met on the Fountain freight road near Excelsior Geyser about 8:30 p.m. on the above date. Mr. Brothers claims he was going about 20-25 miles per hour, and Short claims that Brothers was going about 40 miles per hour. Both agreed that Short was driving at a moderate rate of speed. Short had only one headlight burning. Brothers topped a slight rise in the road, saw the other car, swerved to the right on the narrow road, hit a telephone pole which caused slight damage to the right fender, and stopped. Short's car grazed the left front fender of Brothers' car, then hit and crumpled the left front fender of Brothers' car, broke two spokes of the left wheel and knocked that wheel out of line. The only damage to the Ford truck was a slight bend in the fender and hub cap broken off. The foreman at the Old Faithful repair shop estimated the damage to Brothers' car as $26.00. Passengers with Brothers were Jack Pyatt, Mary Blanche Little, LaVerne Brown, all of Old Faithful. In Short's car were Mrs. Short, Mr. and Mrs. Gregory, and Ted Chevalier, all of Madison Junction.

On August 23, Arthur Tindall, driving a 1-ton International truck, Idaho license #2-3211, traveling from Mammoth toward Norris, turned his truck over the bank about 9-1/2 miles from Mammoth. Tindall was accompanied by his wife and two children. He claimed that the Government road grader, which was also traveling south, did not allow him sufficient room to pass, causing his off wheels to drag in the loose sand at the edge of the road, which accounted for his truck going over the bank. The grader was driven by T. W. Littleton. Harold Wilson, who was helping with the blade was there at the time of the accident. The two rangers who investigated the accident found there was enough room between the grader and the edge of the road to allow the truck to pass safely. There was no visible damage to the truck. It is believed the accident could have been avoided, but the driver of the truck evidently became confused and forgot to stop his truck when it started to slip. Mr. Tindall seemed very much upset over the accident and claimed it was the fault of the driver of the grader. A 50-foot cable was obtained and the grader men pulled the truck back on the road.

On August 24, Mrs. J. B. Meyerhoff, 1054 Alamitos St., Long Beach, Calif., suffered slight burns on the face and more serious burns on the left arm and right upper arm. The burns were dressed by the nurse at Old Faithful Lodge. The accident occurred between eruptions of Old Faithful Geyser. A ranger did not happen to be near the scene of the accident and we have no particulars regarding it.

On August 25, W. H. Emig of University of Pittsburgh, Pittsburgh, Pa., and C. H. Smith, Assistant General Agent, Hartford Fire Insurance Company, Chicago, Ill., collided when the cars they were driving sideswiped near the 5-mile post north of Old Faithful on the road to Madison Junction. We have only Mr. Emig's version of the accident. He states he was driving in a southerly direction from Old Faithful and Smith was traveling north. Emig claims he was going at a moderate rate of speed and was two feet from the right edge of the road, and that Smith was driving in the middle of the road. Emig sounded his horn, he stated, but Smith apparently paid no attention, and the cars came together in what is generally termed a sideswipe. Mr. Emig was driving a Nash, Pennsylvania license #35V94 and Mr. Smith was driving a Franklin, Illinois license #86-876. Both cars were damaged, and both parties carry liability insurance and agreement was made to settle through their insurance companies.

On August 26, Mr. John Pettus, 2198 Yale Station, New Haven, Conn., was involved in an accident when he drove his car into the bridge crossing the Firehole River near the Riverside Geyser, while traveling from Madison Junction to Old Faithful. Mr. Pettus claimed that he had good lights on his car and that he was driving under 30 miles per hour, but misjudged the turn. His car was damaged slightly, and the left side railing of the bridge was badly bent up and loosened. Mr. Pettus was driving Chrysler coach, 1927, California license 7P7861, and he had with him a William Pettus, 172 Yale Station, New Haven, Conn. Witness: Alden Kennedy, 1109 - 10th Ave., No., Great Falls, Montana.

On August 28, Miss Gordon of Newark, N.J., a member of Dr. Reinhard's 10 o'clock guide party at Old Faithful, was jostled by another woman of the party and fell against the point of the arrow on the sign near Doublet Pool, cutting her chest quite deeply. Dr. Reinhard was not informed of this until the party was over. He sent Miss Gordon to the hotel and she was treated by the nurse there, who reported the wound deep but not serious. Miss Gordon left on the 1:50 bus that afternoon for Mammoth.

660 - Sanitation

Inspections were made by Mr. Edwards and Mr. Wiggins of the kitchens of the hotels, lodges and cafeterias in the park, also soda fountains in stores owned by C. A. Hamilton.

900 - Miscellaneous

The park's population was increased during the month when on August 18 a baby boy was born to Mr. and Mrs. Keith Neilson. The baby was born in the hospital at Mammoth Hot Springs. Mr. Neilson is employed as Voucher Clerk.

Hospital and Medical Service

The following are the number of patients admitted to the hospital, professional calls made in the Park, and the miles traveled during the month of August, also a complete list of bear bites taken care of at the hospital:

Total number of patients in hospital..... 81

19	minor accidents
10	major "
34	sick
9	major surgical
1	minor surgical
3	heart cases
1	contagion
3	bear bites
1	confinement
81	

2 Deaths

Number of miles traveled.....	3,350
Number of calls in park, majority employees.....	67
Number of complete tours of park, checking dispensaries, looking after guests and employees, majority employees.....	5
Number of minor operations, dressings, etc., coming to the hospital.....	195
Number of calls on nurses throughout the park, dispensaries by employees and guests, majority employees.....	1,225

Bear Bites taken care of at hospital during month of August:

1. Miss Luella Parr, 561 Center St., Salt Lake City. Bear bite on left arm, slight. Feeding bear. August 8, 1930.
2. Mrs. Anna Bowman, 6315 South Raymond Ave., Los Angeles, Cal. Was cooking a meal and the bear attacked her. Moderate degree, bite and scratch on shoulder. This occurred near 7-mile bridge on August 8, 1930.
3. Effie Butterworth, 2783 S. 20th, East, Salt Lake City. Severe bear bite on upper part of right leg. August 17, 1930.
4. Mrs. Vernon Barrett, Chillicothe, Ohio. Severe bear bite on right arm, was taking a picture and the bear attacked her. This occurred near Old Faithful on August 18, 1930.

5. Mrs. Clara Jordan, 2901 McKinley, Anderson, Ind. Severe bear bite on right thigh. Occurred near Old Faithful on August 20, 1930.
6. E. M. Tucker, 603 15th St., Sacramento, Cal. Severe bear bite on right hip. Was feeding the bear, near Lake Camp. August 23.
7. Mrs. M. B. Webb, 1593 Kenmore Road, Columbus, Ohio. Bear bite on third finger of right hand, moderate. Was feeding bear. This occurred three miles east of Old Faithful on West Thumb road on August 3.
8. L. E. Mayo, Pascagoula, Miss. Severe bear bite on left arm. Occurred near Old Faithful on August 14.
9. J. H. Maguire, attacked by bear near Keppler Cascades. Moderately severe bite on right knee. Occurred on August 14.
10. Albert West, 1100 Gallatin St., Butte, Mont. Severe bear bite on left hand. Was feeding the bear. This occurred near Old Faithful Inn on August 17.
11. Mrs. C. F. Cragg, Stillwater, Okla. Bear bite of moderate degree, in elbow of right arm. Was taking picture of bear near Inspiration Point at Canyon. August 8.
12. Raymond Bernier, Winnipeg, Manitoba. Bear bite on right hand, slight injury. Was feeding bear cubs at Inspiration Point August 13.
13. Harold Brown, 435 N. 51st St., Portland, Ore. Slight bear bite in right hand. Was feeding bear near Inspirtation Point, August 18.
14. Wm. Mossotkim, Gonzales, Cal. Bear bite, moderate degree. Occurred near West Thumb, August 8.
15. S. M. Smith, Jr., Milton, Mass. Moderate bear bite. Occurred near Old Faithful, August 15.
16. Otto Hense, 5306 N. Bailey St., Philadelphia, Pa. Bear bite, moderate. Occurred near West Thumb, August 15.
17. Lavonne Haupert, Fort Washington, Ohio. Bear bite, severe. Occurred near West Thumb, August 16.
18. V. H. Baumgartner, 6233 Aspen Ave., Cincinnati, Ohio. Minor bear bite at Sylvan Pass August 20.
19. F. J. Taylor, Livingston, Mont. Moderate bear bite. Occurred near Lake Hotel, August 24.
20. C. E. Marsh, 1160 Laporte Ave., Fort Collins, Colo. Moderate bear bite and scratches on hand and thigh. Occurred near Canyon auto camp.
21. Coloris Hickman, Kingsville, Texas. Moderate bear bite on thigh. Occurred near Canyon Cafeteria, August 16.
22. Robert Schoen, Rupert, Idaho. Severe bear bite on calf of leg. Occurred between West Thumb and Old Faithful on August 16.
23. Eleanor Richardson, Pueblo, Colo. Minor bear bite on left wrist. Occurred near Lake Hotel, August 22.
24. Mrs. M. J. McDonald, Aurora, Ill. Minor bear bite. Occurred near Lake Hotel on August 5.
25. A. W. Clame, Parsons, Kansas. Severe bear bite, five lacerations and one scratch. Six stitches taken. Occurred near Lake Hotel on August 9.
26. Mr. T. Brown, Grand Rapids, Mich. Slight bear bite on right hand. Occurred near West Thumb, August 16.

Dr. R. G. H. Ehlers, Park Physician under Dr. Geo. A. Kindsor, resigned effective at the close of business August 15th and left for Medicine Lake, Montana. He was succeeded by Dr. P. L. Gaillard, who arrived on the 24th.

Post Office: The gross business of the post office showed a decrease from the season of 1923, to include August 31st, or about 18%, due to the falling off in park travel.

Church Services: Church services were maintained in accordance with the approved schedule. Roman Catholic services were held at 6:30 a.m. and 8:00 a.m. every Sunday, in the chapel at Mammoth Hot Springs. English Lutheran services were held at 10:30 a.m. and at 8:00 p.m. on Sunday, August 10th, by Rev. Webster H. Clement. Episcopal services were held at the same hours: On Sunday, August 2rd, by Rt. Rev. H. H. Fox, Bishop Coadjutor of Montana; on Sunday August 17th by Rt. Rev. Elmer N. Schmuck, Bishop of Wyoming, both morning and evening, and on Sunday, August 24th by Rt. Rev. F. W. Faber, Bishop of Montana. Methodist services were held both morning and evening on Sunday, August 31st, by Rev. Alexander F. Aiton.

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Very truly yours,

Roger W. Toll
Superintendent.

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ly, 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

[redacted] National Park for the month of AUGUST, 1930.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
VATE TRANSPORTATION:						
s first entry,	18,645	54,622	23,817	59,299	4,677	8%
s reentry,	1,804	3,613	1,870	3,668	55	1%
orcycles,	52	160	63	165	5	3%
otal motor vehicles,	20,501	58,395	25,750	63,132	4,737	7%
sons entering via motor icles,	66,146	185,898	84,237	203,197	17,299	8%
sons entering via other vate transportation,	154	716	190	767	51	7%
otal persons entering via rivate transportation,	66,300	186,614	84,427	205,964	17,350	8%
ER TRANSPORTATION:						
sons entering via stages,						
sons entering via trains,	9,202	22,845	13,339	33,433	10,588	34%
sons entering otherwise,						
otal other transportation,	75,502	209,459	97,766	237,397	27,938	11%
ND TOTAL ALL VISITORS,						

	This Year	Last Year	Increase Number	Increase Percent
omobiles in public camps during month,				
pers in public camps during month,	11,949 37,997			

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

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v. 1929)

TRAVEL REPORT

National Park for the month of

	This Month	This Travel Year To Date	This Year Last Year To Date	Last Travel Month Last Year To Date	Increase for Travel Year Number	Percent

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

[illegible] National Park for the month of August, 1930.

	This Month	This Month Last Year
Number of employees beginning of month,	144	140
Number of additions, ...	1	0
Total, ...	145	140
Number of separations, ...	23	17
Number of employees close of month, . .	122	123
Number of promotions during month	0	0
Aggregate amount of annual leave taken,	30	17½
Aggregate amount of sick leave taken,	2	4
Aggregate amount of leave without pay,	0	0

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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

STATUS OF PERSONNEL

_____ National Park for the month of _____, 19__.

	This Month	This Month Last Year
Number of employees beginning of month.	149	142
Number of additions.	1	1
Total.	150	143
Number of separations.	0	21
Number of employees close of month.	150	122

Number of promotions during month 1

Aggregate amount of annual leave taken. 14
Aggregate amount of sick leave taken. 4
Aggregate amount of leave without pay. 0

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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

YELLOWSTONE National Park for the Month of AUGUST, 1930.

	This Year	Last Year
ark revenue on hand beginning of month,	None	None
eceived,	57.724.18	70,582.55
Total,	57.724.18	70,582.55
emitted,	57.724.18	70,582.55
n hand close of month,	None	None

ark revenues received this year to date, $ 121,305.16

ark revenues received last year to date, 143,122.10

Increase, $ 21,816.94

Per cent of increase, 15

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF PARK REVENUES

..... National Park for the Month of .....

	This Year	Last Year

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

August, 1930.

	Number	Value
VERNMENT PUBLICATIONS:		
hand beginning of month	468	188.10
eived during month	4370	1687.00
Total	4838	1875.10
d during month	4231	1682.90
On hand at close of month	607	192.20
-GOVERNMENT PUBLICATIONS:		
hand beginning of month	547	858.00
eived during month	253	480.25
Total	800	1338.25
d during month	442	790.20
On hand at close of month	358	548.05
h on hand beginning of month		546.90
es during month		2473.10
Total		3020.00
itted during month		2880.00
Balance		140.00

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF SALES OF PUBLICATIONS

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UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

YELLOWSTONE National Park for the Month of AUGUST, 1930.

	This Month	This Month Last Year	Increase	Percent Increase
AL BUSINESS				
es of circuit maintained	528	518	10	.018
of telephones connected	172	166	2	.036
of measured service calls				
of other local calls	16,462	17,038		
al No. of local calls				
load in calls per day	756	841		
eipts from measured service calls				
eipts from coin boxes				
eipts from telephone rental				
TOTAL RECEIPTS				
DISTANCE BUSINESS				
Outbound calls	151	142		
Inbound calls	182	140		
TOTAL LONG DISTANCE CALLS	333	282		
load in calls per day	24	20		
eipts from Long Distance business				
EGRAPH BUSINESS				
sages via Western Union				
sages via				
TOTAL MESSAGES				
eipts from telegraph business				
of money transfer messages				
of money transfer receipts				
AL RECEIPTS TELEPHONE & TELEGRAPH DEPT-				

REPORT OF TELEPHONE AND TELEGRAPH BUSINESS

National Park for the Month of

	This Month	This Month Last Year	Increase	Percent Increase

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

*ELECTRICITY GENERATED, SOLD, USED, ETC.

YELLOWSTONE National Park for the Month of AUGUST, 1930.

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year Number	Increase for Travel Year Percent
rrent generated,	91230.0	174872.0	78720.0	157580.0	17292.0	
ld to park operators,	20587.1	41995.3	22165.4	43626.7	-1631.4	
ld to others,						
rnished to other Governmental gencies,						
ld by National Park Service, ost in transit, etc.,	70642.9	132876.7	56554.6	113953.3	18923.4	
Total current generated,	91230.0	174872.0	78720.0	157580.0	17292.0	

ounts receivable from the sale of electricity, $1029.35

*Indicated by K. W. H.

UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

"ELECTRICITY GENERATED, SOLD, USED, ETC.

National Park for the Month of .....

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase For Travel Year Number	Increase For Travel Year Percent

generated. . . . .

by park operators, ...

to others, ...

ased by other Governmental
ncies, ...

by National Park Service.

al current generated, ...

. . . . . .

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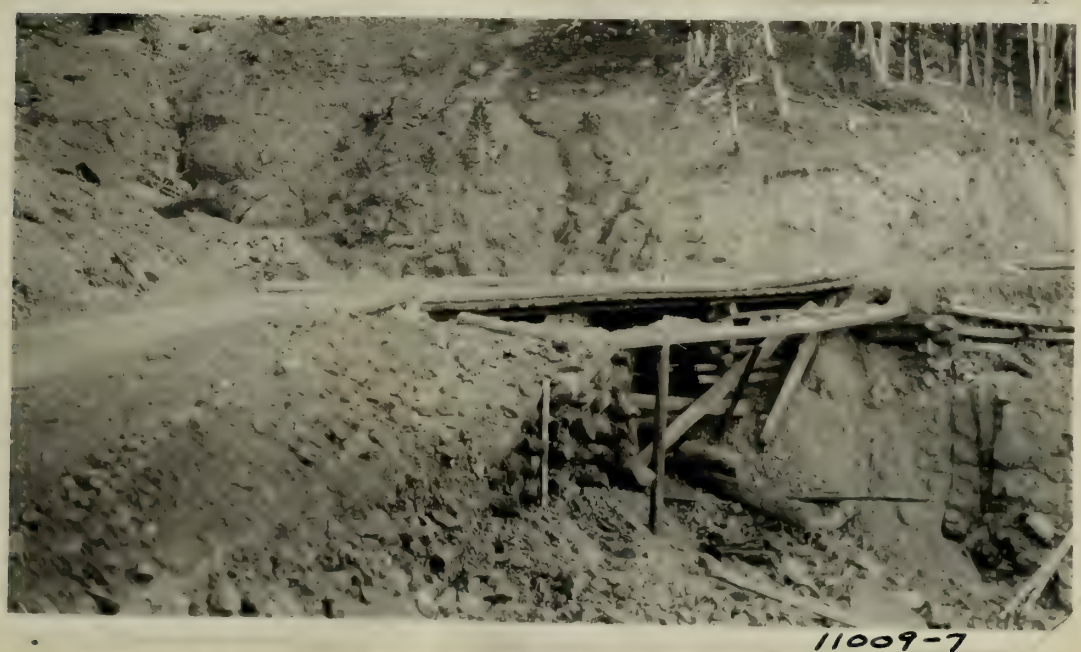
dicated by K. W. H.

Washout, Donovan Pass Road, August 10, 1930.

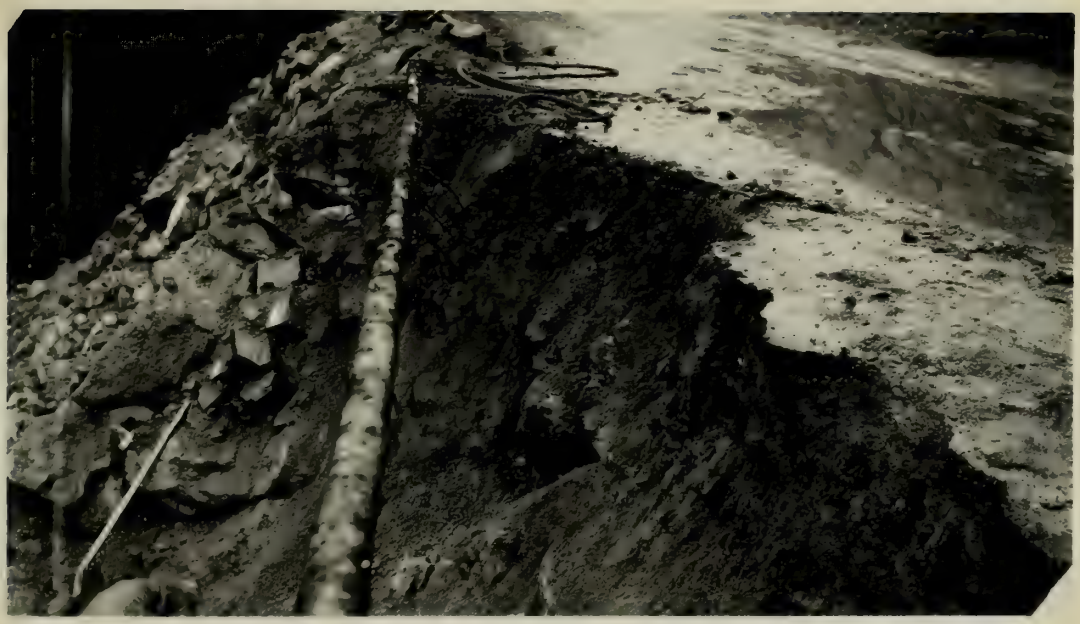


11009-7

Washout, Donovan Pass Road, August 10, 1930. [Temporary repair pending reconstruction of road.]

Vachnat, Sunrown Pass Road, August 9, 1950.

Vachnat, Sunrown Pass Road, August 15, 1950. (Temporary repair pending reconstruction of road.)



[illegible] Sorrie-Canyon Road, June 10, 1950.

11007-5

Dangerous curve on Sorrie-Canyon Road. (View looking east.)

11009-4

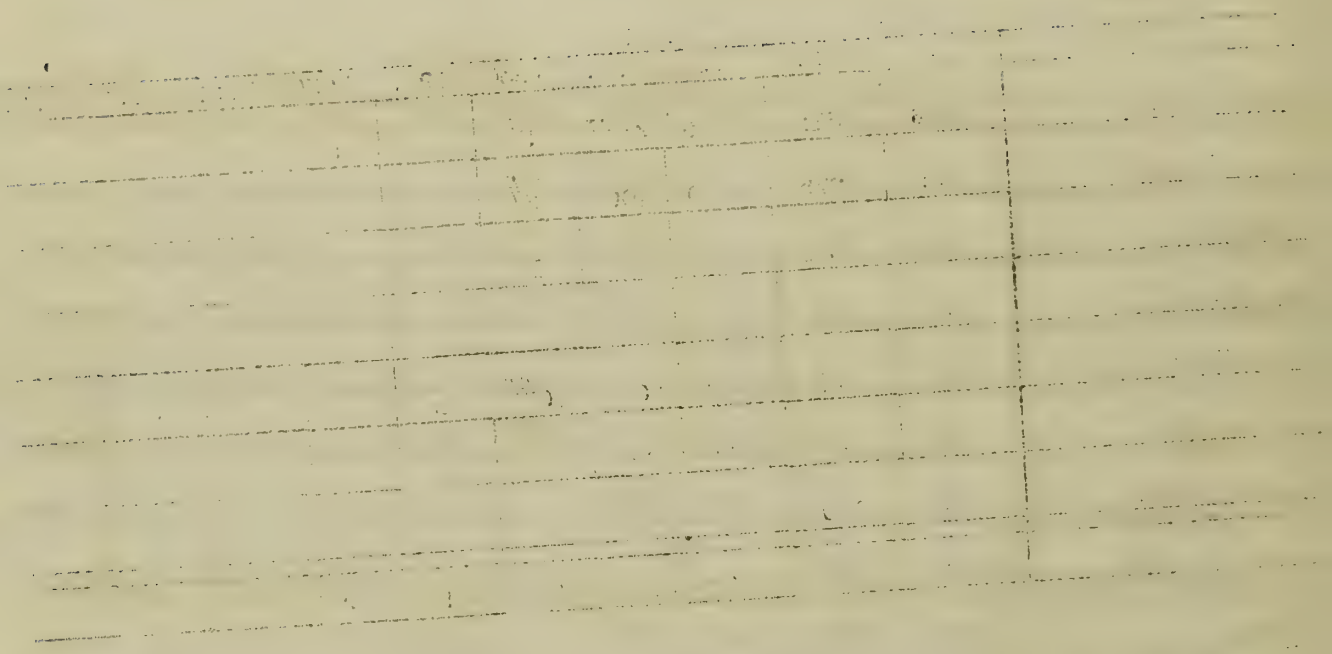
Above curve reconstructed. (View looking east.)

11009-5

Above curve reconstructed. (View looking west.)

Slide in Gardiner Canyon Road. Mud and rock lays nearly a foot deep.

Slide in Gardiner Canyon Road filling entrance of 5' x 5' culvert.



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